

WHAT IS CLAIMED IS:

Sub A' 5
1. A method of inhibiting cellular proliferation comprising inhibiting the activity or reducing the amount of a polypeptide comprising a sequence selected from the group consisting of SEQ ID NOs. 243-357 and SEQ ID NOs. 359-398 or inhibiting the activity or reducing the amount of a nucleic acid encoding said polypeptide.

Sub B 10
2. The method of Claim 1, wherein the cell in which proliferation is inhibited is selected from the group consisting of *Escherichia coli*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Enterobacter cloacae*, *Helicobacter pylori*, *Neisseria gonorrhoeae*, *Enterococcus faecalis*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Salmonella typhimurium*, *Saccharomyces cerevisiae*, *Candida albicans*, *Cryptococcus neoformans*, *Aspergillus fumigatus*, *Klebsiella pneumoniae*, *Salmonella typhi*, *Salmonella paratyphi*, *Salmonella cholerasuis*, *Staphylococcus epidermidis*, *Mycobacterium tuberculosis*, *Mycobacterium leprae*, *Treponema pallidum*, *Bacillus anthracis*, *Yersinia pestis*, *Clostridium botulinum*, *Campylobacter jejuni*, *Chlamydia trachomatis*, *Chlamydia pneumoniae* or any species falling within the genera of any of the above species.

Sub C 15
3. The method of Claim 1, wherein the cell in which proliferation is inhibited is *Escherichia coli*.

Sub A 20
4. A method for inhibiting cellular proliferation comprising introducing a compound which inhibits the activity or reduces the amount of a polypeptide comprising a sequence selected from the group consisting of SEQ ID NOs. 243-357 and SEQ ID NOs. 359-398 or which inhibits the activity or reduces the amount of a nucleic acid comprising a nucleotide sequence encoding said polypeptide into a cell.

Sub B 25
5. The method of Claim 4, wherein said compound is an antisense nucleic acid.

Sub C 30
6. The method of Claim 5, wherein said compound is an antisense nucleic acid comprising a sequence selected from the group consisting of SEQ ID NOs.: 405-485, or a proliferation-inhibiting portion thereof.

7. The method of Claim 6, wherein said proliferation inhibiting portion of one of SEQ ID NOs. 405-485 is a fragment comprising at least 10, at least 20, at least 25, at least 30, at least 50 or more than 50 consecutive nucleotides of one of SEQ ID NOs: 405-485.

8. The method of Claim 4, wherein said compound is a triple helix oligonucleotide.

9. The method of Claim 4, wherein the cell in which proliferation is inhibited is selected from the group consisting of *Escherichia coli*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Enterobacter cloacae*, *Helicobacter pylori*, *Neisseria gonorrhoeae*, *Enterococcus faecalis*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Salmonella typhimurium*, *Saccharomyces cerevisiae*, *Candida albicans*, *Cryptococcus neoformans*, *Aspergillus fumigatus*, *Klebsiella pneumoniae*, *Salmonella typhi*, *Salmonella paratyphi*, *Salmonella cholerasuis*, *Staphylococcus epidermidis*, *Mycobacterium tuberculosis*, *Mycobacterium leprae*, *Treponema pallidum*, *Bacillus anthracis*, *Yersinia pestis*, *Clostridium botulinum*, *Campylobacter jejuni*, *Chlamydia trachomatis*, *Chlamydia pneumoniae* or any species falling within the genera of any of the above species.

10. The method of Claim 4, wherein the cell in which proliferation is inhibited is *Escherichia coli*.

11. A method for inhibiting cellular proliferation comprising introducing a compound with activity against a gene corresponding to one of SEQ ID NOs.: 82-242 or with activity against the product of said gene into a population of cells expressing a gene.

12. The method of Claim 11, wherein said compound is an antisense nucleic acid.

13. The method of Claim 12, wherein said compound is an antisense oligonucleotide comprising a sequence selected from the group consisting of SEQ ID NOs.: 405-485, or a proliferation-inhibiting portion thereof.

14. The method of Claim 13, wherein said proliferation inhibiting portion of one of SEQ ID NOs. 405-485 is a fragment comprising at least 10, at least 20, at least 25, at least 30, at least 50 or more than 50 consecutive nucleotides of one of SEQ ID NOs: 405-485.

15. The method of Claim 11, wherein said compound is a triple helix oligonucleotide.

16. The method of Claim 11, wherein the cell in which proliferation is inhibited is selected from the group consisting of *Escherichia coli*, *Staphylococcus*

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aureus, *Pseudomonas aeruginosa*, *Enterobacter cloacae*, *Helicobacter pylori*, *Neisseria gonorrhoeae*, *Enterococcus faecalis*, *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Salmonella typhimurium*, *Saccharomyces cerevisiae*, *Candida albicans*, *Cryptococcus neoformans*, *Aspergillus fumigatus*, *Klebsiella pneumoniae*, *Salmonella typhi*, *Salmonella paratyphi*, *Salmonella cholerasuis*, *Staphylococcus epidermidis*, *Mycobacterium tuberculosis*, *Mycobacterium leprae*, *Treponema pallidum*, *Bacillus anthracis*, *Yersinia pestis*, *Clostridium botulinum*, *Campylobacter jejuni*, *Chlamydia trachomatis*, *Chlamydia pneumoniae* or any species falling within the genera of any of the above species.

10 17. The method of Claim 11, wherein the cell in which proliferation is inhibited is *Escherichia coli*.

add A^{4c} >